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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XV, No. 10 — HELENA INDEPENDENT-RECORD HELENA, MONTANA — October, 1967

Production of crude oil and condensate from the oil and gas areas of Montana for the month of October, 1967, averaged 98,893 barrels daily, an increase of 848 barrels from the average September production of 98,045.

The nine refineries in state processed 87,949 barrels of crude oil daily for the month of October, 1967, a decrease of 21,707 barrels from the 109,656 barrels processed daily during the month of September, 1967.

During October, 61 wells were completed, 25 oil, 1 gas well and 35 dry holes.

During October, the commission issued 109 permits to drill new wells, a decrease of 29 from the 138 permits issued during September.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA MONTH OF OCTOBER, 1967

IN STORAGE OCTOBER 1st	
By Producers	346,297
By Transporters	987,145
By Refiners	614,613
TOTAL STORAGE	1,949,055
Produced in Montana During Month	3,065,712
Imported During Month	1,811,396
TOTALS	6,825,163
DISPOSITION:	
Refined in Montana	2,726,421
Exported	1,796,278
Used for Fuel or Lost	7,112
TOTAL	4,529,811
IN STORAGE OCTOBER 31st	
By Producers	362,224
By Transporters	1,149,746
By Refiners	783,382
TOTAL STORAGE	2,295,352

NATURAL GAS WITHDRAWALS IN MONTANA

Month of October, 1967

Field	M. Cu. Ft.
Bears Den	0
Big Coulee	76,650
Bowdoin	141,355
Bowes	49,488
Cabin Creek	103,967
Cedar Creek	123,875
Cut Bank (Including Reagan)	836,715
Devon	0
Dry Creek	1,938
Elk Basin	106,516
Flat Coulee	8,178
Gold Butte	6,354
Golden Dome	0
Grandview	10,166
Hardin	4,523
Keith Block	308,549
Kevin Sunburst	61,678
Lake Basin	103,139
Middle Butte	3,368
Mt. Lilly	11,336
Pine	69,682
Plevna	10,145
Utopia	60,100
Whitlash	118,167
Miscellaneous	206,172
TOTAL	2,422,061

Total withdrawals for October, 1966 were 2,635,610

PRODUCERS REPORT—MONTH OF OCTOBER, 1967

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
2	Ash Creek	5	698	4,163	----	4,708	----	153
1	Bannatyne	1	589	284	----	405	----	468
3	Bear's Den	4	1,454	1,108	----	514	----	2,048
14	Bell Creek	43	27,522	228,153	----	211,903	1,094	42,678
1	Benrud	1	305	1,304	1,232	----	----	377
1	Benrud East	1	490	9,302	9,287	----	----	505
1	Benrud Northeast	1	876	10,422	10,427	----	----	871
1	Berthelote	1	443	199	199	----	----	443
6	Big Wall	23	1,582	22,389	22,471	----	----	1,500
5	Blackfoot	8	1,227	3,593	1,472	2,067	----	1,281
	Blackfoot East	----	40	----	----	----	----	40
5	Border	7	----	2,022	----	2,022	----	----
1	Bowes	55	4,800	14,349	15,399	----	----	3,750
2	Bradley	2	696	840	757	----	----	779
2	Brady	2	375	377	377	----	----	375
	Bynum	----	219	----	----	----	----	219
2	Cabin Creek	104	6,607	310,970	310,798	----	----	6,779
15	Cat Creek	74	3,019	18,395	16,047	2,563	113	2,691
1	Clark's Fork	1	154	197	----	186	----	165
2	Conrad South	2	662	1,096	1,096	----	----	662
1	Cupton	1	661	586	----	838	----	409
154	Cut Bank	988	85,904	295,168	294,220	979	1,026	84,847
2	Deer Creek	3	1,062	3,368	3,175	----	----	1,255
1	Delphia	1	420	401	----	197	----	624
4	Devil's Basin	6	629	949	----	864	----	714
14	Dwyer	15	5,815	21,975	20,972	----	----	6,818
4	Elk Basin	58	2,001	231,410	231,581	----	----	1,830
6	Elk Basin Northwest	15	2,811	11,977	12,505	----	----	2,283
4	Fairview	4	2,779	33,029	----	30,595	----	5,213
2	Fertile Prairie	2	1,120	1,394	1,740	----	----	774
23	Flat Coulee	31	4,728	20,040	20,508	----	----	4,260
39	Flat Lake	56	5,773	85,281	84,477	----	----	6,577
1	Flat Lake South	1	342	1,293	1,478	----	----	157
2	Frannie	2	----	1,025	1,025	----	----	----
18	Fred & George Creek	39	2,077	88,886	84,231	3,827	----	2,905
1	Gage	1	839	256	----	330	----	765
4	Gas City	23	7,218	36,610	37,906	----	----	5,922
10	Glendive	13	2,406	37,755	28,609	8,647	214	2,691
22	Goose Lake	29	3,678	67,151	66,265	----	----	4,564
9	Graben Coulee	27	3,882	11,917	10,337	1,203	----	4,259
	Grandview	----	528	----	----	----	----	528
2	Gypsy Basin	2	1,165	694	----	622	----	1,237
4	Hiawatha	4	4,372	21,789	----	21,808	481	3,872
1	Hibbard	1	357	234	----	----	----	591
6	Ivanhoe	10	2,075	13,628	14,178	----	60	1,465
9	Keg Coulee	26	7,328	20,255	23,842	----	----	3,741
3	Keg Coulee North	3	1,003	1,370	917	----	----	1,456
1	Kelley	2	794	13,010	13,138	----	----	666
106	Kevin Sunburst	607	16,206	36,985	35,259	1,312	----	16,620
1	Little Beaver	29	----	34,057	34,057	----	----	----
2	Little Beaver East	14	2,503	19,060	18,318	----	----	3,245
3	Lodge Grass	3	1,174	2,758	----	2,495	----	1,437
24	Lookout Butte	76	4,999	149,997	149,915	442	----	4,639
1	Mackay Dome	1	543	347	----	384	----	506
2	Mason Lake	2	246	2,822	2,419	----	----	649
2	Melstone	4	1,090	2,104	2,275	----	----	919
1	Mineral Bench	1	467	1,706	1,615	----	----	558
2	Miner's Coulee	6	213	1,602	----	1,679	----	136
11	Monarch	14	5,226	24,402	25,721	----	246	3,661
4	Mosser	4	----	780	----	780	----	----
6	Outlook	11	6,800	27,658	28,803	----	----	5,655
2	Outlook South	2	809	2,097	1,647	----	----	1,259
2	Oultook West	2	1,018	6,458	1,441	5,176	----	859
71	Pennel	117	4,741	157,302	155,832	----	447	5,764
4	Pine	128	17,251	322,610	322,082	----	----	17,779
3	Pole Creek	3	402	5,078	----	5,191	----	289
71	Pondera	286	6,797	29,036	28,160	----	----	7,673
1	Pondera Coulee	1	----	390	390	----	----	----
4	Poplar	68	8,557	60,259	59,878	----	----	8,938
4	Poplar Northwest	5	1,859	1,780	1,276	----	----	2,363
	Prairie Elk	----	555	----	----	----	----	555
4	Ragged Point	12	2,662	14,633	13,900	----	----	3,395
5	Ranch Creek	5	2,679	8,765	----	9,438	3	2,003
1	Rattlesnake Coulee	1	411	953	597	----	----	767
2	Reagan	43	1,104	22,409	22,306	----	----	1,207
1	Red Creek	25	----	28,161	27,815	346	----	----
1	Red Fox	1	358	10,454	10,458	----	----	354
1	Redstone	1	767	5,037	4,909	----	----	895
1	Repeat	1	238	1,500	----	1,414	----	324
3	Reserve	3	91	25,384	----	25,251	----	224
1	Richey	1	328	690	613	----	----	405
6	Richey Southwest	8	831	8,587	8,504	----	----	914
6	Sand Creek	8	1,477	10,556	10,057	----	----	1,976
1	Shotgun Creek	1	227	224	----	309	----	142
3	Sidney-Brorson	3	1,809	4,152	----	4,071	----	1,890
4	Smoke Creek	5	1,971	11,848	----	11,916	----	1,903
2	Snyder	4	951	1,617	----	1,518	----	1,050
6	Soap Creek	17	2,575	6,033	----	6,151	----	2,457
1	Spring Lake	2	2,349	2,554	----	3,634	----	1,269
2	Stensvad	24	4,970	28,999	30,461	----	----	3,508
28	Sumatra	87	9,918	57,016	55,243	----	127	11,564
5	Tule Creek	7	2,322	37,670	----	37,384	----	2,608
2	Tule Creek East	2	1,050	23,044	----	23,330	----	764
2	Tule Creek South	3	752	6,741	3,551	3,106	----	836
2	Vida	2	586	1,817	1,852	----	----	551
4	Volt	6	2,551	20,198	20,817	----	----	1,932
3	Weed Creek	5	2,022	20,932	21,720	----	62	1,172
5	Weldon	15	1,758	118,431	117,933	----	----	2,256
17	Whitlash	43	6,075	20,937	20,523	----	----	6,489
3	Whitlash West	3	456	960	908	----	----	508
2	Wills Creek South	2	708	6,716	5,987	----	----	1,437
7	Wolf Springs	10	3,646	11,568	10,508	----	----	4,706
4	Woodrow	5	344	3,818	3,937	----	----	225
1	Wildcat, Carbon Cty	1	614	183	----	----	----	797
3	Wildcat, Glacier Cty	3	167	691	----	784	----	74
1	Wildcat, Richland Cty	1	1,529	1,132	----	1,355	55	1,251
1	Wildcat, Roosevelt Cty	1	191	203	----	203	----	191
1	Wildcat, Sheridan Cty	1	829	1,197	----	1,557	----	469
881	Total	3,444	346,297	3,065,712	2,602,353	443,504	3,928	362,224

Total Oil Produced & Shipped From Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1966	35,380,118	96,931	35,353,673	96,859
First Quarter, 1967	8,269,076	91,878	8,253,252	91,702
Second Quarter, 1967	8,227,117	90,407	8,237,583	90,522
July, 1967	2,858,289	92,202	2,848,554	91,888
August, 1967	2,915,955	94,063	2,925,116	94,358
September, 1967	2,941,370	98,045	2,919,874	97,329
October, 1967	3,065,712	98,893	3,045,857	98,253

Oil In Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil In Storage*
December, 1966	337,546	1,034,375	584,580	1,956,501
March, 1967	345,817	1,086,767	636,377	2,068,961
June, 1967	332,175	1,232,696	846,701	2,411,572
September, 1967	346,297	937,145	614,613	1,948,055
October, 1967	362,224	1,149,746	783,382	2,295,352

*Includes Wyoming Oil

TRANSPORTERS REPORT—MONTH OF OCTOBER, 1967

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			4,708				4,708		
BANNATYNE—Truck			405			405			
BEAR'S DEN—Truck			514					514	
BELL CREEK—									
Permian Corp.			119,710				119,710		
Western Crude Oil, Inc.			92,193				84,448		7,745
			211,903				204,158		7,745
BIG WALL—									
Continental Pipeline Co.		22,471				22,471			
BLACKFOOT—									
Camerland Cardinal Corp.			2,067					2,067	
Union Oil Co.		1,472				1,472			
		1,472	2,067			1,472		2,067	
BORDER—Truck			2,022				2,022		
BOWES—Texaco		15,399				15,399			
CABIN CREEK & OTHERS*									
Butte Pipeline Co.	291,436	864,445	11,341	789,006			1,647,658		308,570
Shell Pipeline Co.	3,850	339,312			(223)			338,483	4,902
	295,286	1,203,757	11,341	789,006	(223)		1,647,658	338,483	313,472
CAT CREEK—									
Continental Pipeline Co.		16,047				16,047			
Truck			2,563			2,563			
		16,047	2,563			18,610			
CLARK'S FORK—Truck			186				186		
CUT BANK—									
Continental Pipeline Co.			9,968	210,006				219,974	
Phillips Petroleum Co.	62,738	41,271		53,091	2,047	103,185			51,868
Texas Pipeline Co.	26,748	118,202		25,480	401			130,479	39,550
Union Oil Co.	50,373	76,785		27,720	493	110,649			43,736
Western Oil Trans. Co.		58,087						58,087	
Western Oil Trans. (Moulton)		47,742						47,742	
	139,859	342,087	9,968	316,297	2,941	213,834		456,282	135,154
DELPHIA—Truck			197			197			
DEVIL'S BASIN—Truck			864				864		
DWYER—Portal Pipeline Co.		20,913					20,913		
ELK BASIN & ELK BASIN NORTHWEST—									
Marathon Pipeline Co.		241,901				241,901			
FAIRVIEW—Truck			30,595				30,595		
FLAT COULEE—									
Camerland Cardinal Corp.		16,940				15,037		1,903	
FLAT LAKE & FLAT LAKE SOUTH—									
Portal Pipeline Co.		78,341					78,341		
FRANNIE—Interstate Pipeline Co.		1,025					1,025		
FRED & GEORGE CREEK—									
Camerland Cardinal Corp.	9,344	85,744				24,654		58,410	12,024
GAGE & GAGE S.W.—Truck			330			330			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	7,577	37,257			293			37,413	7,128
GOOSE LAKE—									
Portal Pipeline Co.		65,315					65,315		
HIAWATHA—Truck			21,808				21,808		
IVANHOE—									
Continental Pipeline Co.		14,383				11,933	2,450		
KEG COULEE & KEG COULEE NORTH—									
Continental Pipeline Co.		23,906				15,638	8,268		
KELLEY—									
Continental Pipeline Co.		12,665				12,665			
KEVIN SUNBURST—									
Big West Oil Co.	5,277	24,398				25,854			3,821
Homestake Oil & Gas Co.	519	1,672				1,805			386
Texas Pipeline Co.	6,438	14,232			617			12,386	7,667
	12,234	40,302			617	27,659		12,386	11,874
LODGE GRASS—Truck			2,495			2,495			
MACKAY DOME—Truck			384				384		
MASON LAKE—									
Continental Pipeline Co.		2,419				2,419			
MELSTONE—									
Continental Pipeline Co.		2,275				2,275			
MOSSER—Truck			780				780		
OUTLOOK WEST—									
Rock Island Oil & Ref. Co.			5,176				5,176		
POLE CREEK—Truck			5,191				5,191		
PONDERA—Phillips Petr. Co.	43,697	30,073			695	49,190			23,885
POPLAR, BENRUD, BENRUD EAST, OUTLOOK, OUTLOOK SOUTH, OUTLOOK WEST, RED FOX, REDSTONE, RICHEY, TULE CREEK, TULE CREEK SOUTH & VOLT									
East Poplar Gathering System	17,784	198,651			(1,283)			199,709‡	18,009
RAGGED POINT—									
Continental Pipeline Co.		14,068				1,568	12,500		
RANCH CREEK—									
Rock Island Oil & Ref. Co.			610				610		
Western Crude Oil, Inc.			8,828				8,828		
			9,438				9,438		
RED CREEK—									
Western Oil Transportation Co.		34,539						34,539	
RESERVE—Truck			25,251				25,251		
SHOTGUN CREEK—Truck			309				309		
SIDNEY-BRORSON—Truck			4,071					4,071	
SMOKE CREEK—									
Rock Island Oil & Ref. Co.			11,916				11,916		
SNYDER—Truck			1,518				1,518		
SOAP CREEK—Truck			6,151				6,151		
SPRING LAKE—									
Rock Island Oil & Ref. Co.			3,634				3,634		
SUMATRA & STENSVAD—									
Continental Pipeline Co.	453,290	84,263		545,542	(275)	68,358		399,174	615,838
TULE CREEK—									
Tesero Petr. Corp.	8,074		63,820			67,277			4,617
WEED CREEK—									
Continental Pipeline Co.		21,720				21,720			
WHITLASH & WHITLASH WEST—									
Camerland Cardinal Corp.		23,687				20,936		2,751	
WOLF SPRINGS—									
Continental Pipeline Co.		9,724				9,724			
WILDCAT WELLS—Truck			3,899				3,899		
TOTALS	987,145	2,661,344	443,504	1,650,845	2,765	868,167	2,174,458	1,547,702	1,149,746

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, Richey Southwest, Weldon and Wills Creek South.

‡Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF OCTOBER, 1967

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Tesoro Petr. Corp.	Union Oil Co.	Total
Big Wall				22,471						22,471
Bowes			25,217							25,217
Cat Creek		5,508		5,981		2,729				14,218
Cut Bank	43,262						102,345		99,040	244,647
Delphia						240				240
Dry Creek						27				27
Elk Basin		97,867		61,297	81,453					240,617
Flat Coulee									15,037	15,037
Fred &George Creek	24,654									24,654
Gage & Gage S.W.						185				185
Hibbard						130				130
Ivanhoe		11,933								11,933
Keg Coulee				15,638						15,638
Kelley					13,138					13,138
Kevin Sunburst	27,659									27,659
Lodge Grass		2,495								2,495
Mason Lake		2,419								2,419
Melstone				2,275						2,275
Pondera							49,190			49,190
Ragged Point				746						746
Sand Creek						835				835
Sumatra & Stensvad		16,510		51,848	16,578					84,936
Tule Creek								67,277		67,277
Weed Creek					20,936					20,936
Whitlash							21,431			21,431
Wolf Springs					6,674					6,674
Total Montana Oil	95,575	136,732	25,217	160,256	138,779	4,146	172,966	67,277	114,077	915,025
Canadian Oil Imported		210,006								210,006
Wyoming Oil Imported				535,907	1,065,483					1,601,390
Total Montana, Canadian, and Wyoming Oil	95,575	346,738	25,217	696,163	1,204,262	4,146	172,966	67,277	114,077	2,726,421

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1966	29,111	12,832	49,643	91,586
October, 1966	32,807	15,440	40,711	88,958
October, 1967	29,516	6,776	51,657	87,949

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
31.78%	14.02%	54.20%
36.87%	17.37%	45.76%
33.56%	7.71%	58.73%